

AMENDMENTS TO THE CLAIMS:

1. (Currently Amended) A carrier mechanism having accommodating means and carrier means, for carrying out positioning between said accommodating means and said carrier means, to thereby insert an object carried from said carrier means into said accommodating means or take said object accommodated in said accommodating means, out of said accommodating means to said carrier means, said carrier mechanism comprising:

driving means for moving said carrier means; and

control means operable when said carrier means is moved to a desired position in one direction, for controlling said driving means so as to move said carrier means to a position in excess of said desired position and then to move said carrier means to said desired position, said control means controlling said driving means so as to move said carrier means to said desired position without exceeding said desired position when said carrier means is moved to said desired position in a direction opposite to said one direction,

wherein said control means controls said driving means such that said carrier means is driven at an accelerated rate at an initial activation, then braked after the acceleration, and finally subjected to a minute adjustment after the braking, and

wherein said control means adjusts a quantity of said minute adjustment of said carrier means by said driving means, based on a remaining distance between a current position of said carrier means and said desired position.

2. (Previously Presented) A carrier mechanism having accommodating means and carrier means, for carrying out positioning between said accommodating means and said carrier means, to thereby insert an object carried from said carrier means into said accommodating means or take said object accommodated in said accommodating means, out of said accommodating means to said carrier means, said carrier mechanism comprising:

biasing means for biasing said carrier means in a predetermined direction;

driving means for moving said carrier means; and

control means operable when said carrier means is moved to a desired position in a biasing direction of said biasing means, for controlling said driving means so as to move said carrier means to a position in excess of said desired position and then to move said carrier means to said desired position while opposing a biasing force of said biasing means.

3. (Original) The carrier mechanism according to claim 2, wherein said control means controls said driving means so as to move said carrier means to said desired position without exceeding said desired position while opposing said biasing force of said biasing means, when said carrier means is moved to said desired position in a direction opposite to said biasing direction of said biasing means.

4. (Original) The carrier mechanism according to claim 1, wherein said control means includes determining means for determining a direction in which said carrier means is moved, based on a present position before said carrier means is moved and said desired position.

5. (Original) The carrier mechanism according to claim 4, wherein said control means sets patterns for controlling movement of said carrier means by said driving means, based on results of determination of said determining means.

6. (Canceled)

7. (Previously Presented) The carrier mechanism according to claim 1, wherein said control means adjusts a quantity of said minute adjustment of said carrier means by said driving means, based on a distance over which said carrier means has been moved after execution of said minute adjustment and a remaining distance between a position currently assumed by said carrier means and said desired position.

8. (Original) The carrier mechanism according to claim 1, wherein said accommodating means forms an accommodating rack enabling to accommodate a recording medium in a detachable manner, said carrier means having mounted thereon a pickup for reproducing information recorded on said recording medium, and a clamping mechanism.

9. (Original) The carrier mechanism according to claim 8, wherein said accommodating rack is provided in a detachable manner for said carrier means.

10. (Original) The carrier mechanism according to claim 8, wherein said accommodating rack is always stationary for said carrier means in a reproducing apparatus.

11. (Previously Presented) The carrier mechanism according to claim 1, wherein said minute adjustment is controlled to position said carrier means within a predetermined allowable range including said desired position.

12. (Previously Presented) The carrier mechanism according to claim 11, wherein said minute adjustment is controlled to change the driving of said carrier means when a difference between the desired position and an actually reached position is not within said allowable range.

13. (Previously Presented) The carrier mechanism according to claim 12, wherein said minute adjustment is controlled to further change the driving of said carrier means when a difference between the desired position and an actually reached position does not enter within said allowable range even if predetermined times of minute adjustment are carried out under the change of the driving of the carrier means.

14. (Previously Presented) The carrier mechanism according to claim 7, wherein said control means completes said minute adjustment of said carrier means by said driving means when a distance moved by said minute adjustment is more than the remaining distance between the current position and the desired position.

15. (Currently Amended) A carrier mechanism having an accommodating section and a carrier section, for carrying out positioning between said accommodating section and said carrier section, to thereby insert an object carried from said carrier section into said accommodating section or take said object accommodated in said accommodating section, out of said accommodating section to said carrier section, said carrier mechanism comprising:

a driving motor for moving said carrier section; and

a control device operable when said carrier section is moved to a desired position in one direction, controlling said driving motor so as to move said carrier section to a position in excess of said desired position and then to move said carrier section to said desired position, said control device controlling said driving motor so as to move said carrier section to said desired position without exceeding said desired position when said carrier section is moved to said desired position in a direction opposite to said one direction,

wherein said control device controls said driving motor such that said carrier section is driven at an accelerated rate at an initial activation, then braked after the acceleration, and finally subjected to a minute adjustment after the braking, and

wherein said control device adjusts a quantity of said minute adjustment of said carrier section by said driving motor, based on a remaining distance between a current position of said carrier section and said desired position.

16. (Previously Presented) The carrier mechanism according to claim 15, wherein said control device determines a direction in which said carrier section is moved, based on a present position before said carrier section is moved and said desired position.

17. (Previously Presented) The carrier mechanism according to claim 16, wherein said control device generates patterns for controlling movement of the carrier section by said driving motor, based on the direction in which the carrier section is moved.

18. (Previously Presented) The carrier mechanism according to claim 15, wherein said control device adjusts a quantity of said minute adjustment of said carrier section by said driving motor, based on a distance over which said carrier section has been moved after execution of said minute adjustment and a remaining distance between a position currently assumed by said carrier section and said desired position.

19. (Previously Presented) The carrier mechanism according to claim 15, wherein said accommodating section forms an accommodating rack enabling accommodation of a recording medium in a detachable manner, said carrier section having mounted thereon a pickup for reproducing information recorded on said recording medium, and a clamping mechanism.

20. (Previously Presented) The carrier mechanism according to claim 19, wherein said accommodating rack is provided in a detachable manner for said carrier section.

21. (Previously Presented) The carrier mechanism according to claim 19, wherein said accommodating rack is always stationary for said carrier section in a reproducing apparatus.

22. (Previously Presented) The carrier mechanism according to claim 15, wherein said minute adjustment is controlled to position said carrier means within a predetermined allowable range including said desired position.

23. (Previously Presented) The carrier mechanism according to claim 22, wherein said minute adjustment is controlled to change the driving of said carrier section when a difference between the desired position and an actually reached position is not within said allowable range.

24. (Previously Presented) The carrier mechanism according to claim 23, wherein said minute adjustment is controlled to further change the driving of said carrier section when a difference between the desired position and an actually reached position does not enter within said allowable range even if predetermined times of minute adjustment are carried out under the change of the driving of the carrier section.

25. (Previously Presented) The carrier mechanism according to claim 18, wherein said control device completes said minute adjustment of said carrier section by said driving motor when a distance moved by said minute adjustment is more than the remaining distance between the current position and the desired position.